



Patent  
Case No.: 56980US002

THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: KLUN, THOMAS P.

Application No.: 09/992877

Group Art Unit: 1714

Filed: November 5, 2001

Examiner: ---

Title: WATER- AND OIL-REPELLENT, ANTISTATIC COMPOSITIONS

DUE DATE(S) \_\_\_\_\_

ATTORNEY LMF

DOCKETED me

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

Washington, DC 20231

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

June 11, 2002  
Date

Kathleen M. Sandvig  
Signed by: Kathleen M. Sandvig

Dear Sir: TC 1700

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. A copy of each cited reference is also enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

June 11, 2002  
Date

By: Scott A. Bardell  
Scott A. Bardell, Reg. No.: 39,594  
Telephone No.: 651-736-6935

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
P.O. Box 33427  
St. Paul, MN 55133-3427  
Facsimile No.: 651-736-3833

Substitute for form 1449A/PTO (modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 1	Application Number	09/992877
	Filing Date	November 5, 2001
	First Named Inventor	Klun, Thomas P.
	Art Unit	1715
	Examiner Name	---
	Attorney Case Number	56980US002



U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-		RECEIVED	
	A5	US-		MAR 01 2007	
	A6	US-		TC 1700	
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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Foreign Patent Documents						
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Ctry. Code	Number-KindCode (If known)			
	B1	JP	46-25558	07/23/1971		X
	B2	JP	47-20201	06/08/1972		X
	B3	JP	53-15747	05/26/1978		X
	B4	SU	468527	11/07/1980		X
	B5	SU	802429	02/07/1981		X
	B6	SU	802430	02/07/1981		X
	B7					

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	
	C2	
	C3	

*Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Form PTO-1449 (modified)

Case No.  
56980US002Serial No.  
09/992877

List of Patents and Publications for Applicant's

First Named Inventor  
Klun, Thomas P.

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## INFORMATION DISCLOSURE STATEMENT

Filing Date:  
November 5, 2001

Group: TC 1700

(Use several sheets if necessary)

U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 4Other Art  
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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	2,701,814	2/8/55	Smith			
	A2	2,732,398	1/24/56	Brice et al.			
	A3	2,803,656	8/20/57	Ahlbrecht et al.			
	A4	3,476,753	11/4/69	Hansen			
	A5	3,674,798	7/4/72	Price et al.			
	A6	3,723,512	3/27/73	Niederprum et al.			
	A7	3,728,151	1/15/68	Sherman et al.			
	A8	3,816,229	6/11/74	Bierbrauber			
	A9	3,896,035	7/22/75	Schultz et al.			
	A10	3,899,563	8/12/75	Oxenrider et al.			
	A11	3,901,727	8/26/75	Loudas			
	A12	3,916,053	10/28/75	Sherman et al.			
	A13	3,922,446	11/25/75	Heyden et al.			
	A14	3,968,066	7/6/76	Mueller			
	A15	4,014,880	3/29/77	Dowd et al.			
	A16	4,043,923	8/26/77	Loudas			
	A17	4,043,964	8/23/77	Sherman et al.			
	A18	4,219,625	8/26/80	Mares et al.			
	A19	4,264,484	4/28/81	Patel			
	A20	4,313,978	2/2/82	Stevens et al.			
	A21	4,335,201	6/15/82	Miller et al.			
	A22	4,439,505	3/27/84	Perlstein et al.			
	A23	4,478,922	10/23/84	Perlstein et al.			

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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

<b>Form PTO-1449</b> (modified)		Case No. 56980US002	Serial No. 09/992877
List of Patents and Publications for Applicant's  <b>INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)		First Named Inventor Klun, Thomas P.	
		Filing Date: November 5, 2001	Group:
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 4</i>	Other Art <i>See Page 8</i>	

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A24	4,582,781	4/15/96	Chen et al.			
	A25	4,624,889	11/25/86	Bries			
	A26	4,831,098	5/16/89	Watanabe et al.			
	A27	4,847,187	7/11/89	Ono et al.			
	A28	4,939,204	7/3/90	Efford			
	A29	4,975,363	12/4/90	Cavallo et al.			
	A30	5,025,052	6/18/91	Crater et al.			
	A31	5,064,699	11/12/91	Havens et al.			
	A32	5,099,026	3/24/92	Crater et al.			
	A33	5,145,727	9/8/92	Potts et al.			
	A34	5,149,576	9/22/92	Potts et al.			
	A35	5,171,641	12/15/92	Roberts et al.			
	A36	5,273,840	12/28/93	Dominey			
	A37	5,274,159	12/28/93	Pellerite et al.			
	A38	5,382,778	1/17/95	Takahira et al.			
	A39	5,446,134	8/29/95	Armand et al.			
	A40	5,451,622	9/19/95	Boardman et al.			
	A41	5,478,486	12/26/95	Incorvia			
	A42	5,502,251	3/26/96	Pohmer et al.			
	A43	5,503,967	4/2/96	Furlan et al.			
	A44	5,514,493	5/7/96	Waddell et al.			
	A45	5,518,788	5/21/96	Invie			
	A46	5,525,261	6/11/96	Incorvia et al.			

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A47	5,534,192	7/9/96	Incorvia et al.			
	A48	5,541,049	7/30/96	Ballerini et al.			
	A49	5,554,664	9/10/96	Lamanna et al.			
	A50	5,560,992	10/01/96	Sargent et al.			
	A51	5,591,482	1/7/97	He et al.			
	A52	5,681,963	10/28/97	Liss			
	A53	5,688,884	11/18/97	Baker et al.			
	A54	5,723,664	3/3/98	Sakaguchi et al.			
	A55	5,874,616	2/23/99	Howells et al.			
	A56	5,965,206	10/12/99	Hilti et al.			
	A57	6,294,289	9/25/01	Fanta et al.			

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### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	EP 0 331 030 A1	9/06/89	EPO			Yes
	B2	EP 0 363 094 B1	8/4/93	EPO			
	B3	EP 0 398 353 A1	11/22/90	EPO			
	B4	EP 0 416 741 A1	3/13/91	EPO			
	B5	EP 0 047 903 B1	8/29/81	EPO			No
	B6	EP 0 613 462 B1	5/27/93	EPO			
	B7	EP 0 663 612 B1	3/15/00	EPO			
	B8	EP 0 752 711 A1	1/8/97	EPO			
	B9	JP 9-323956	12/16/97	Japan			Yes (English abstract only)
	B10	JP 5-302077	11/16/93	Japan			Yes (English abstract only)
	B11	JP 05289224	11/5/93	Japan			Yes (English abstract only)
	B12	JP 50045055	4/22/75	Japan			Yes (English abstract only)
	B13	JP 08100169	09/18/96	Japan			Yes (English abstract only)
	B14	JP 08092450	4/9/96	Japan			Yes (English abstract only)

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	B15	JP 08208889	8/13/96	Japan			Yes (English abstract only)
	B16	JP 09255939	9/30/97	Japan			Yes (English abstract only)
	B17	JP 11092751	6/24/99	Japan			Yes (English abstract only)
	B18	JP 11116752	4/27/90	Japan			Yes (English abstract only)
	B19	JP 01075534	3/22/89	Japan			Yes (English abstract only)
	B20	JP 55149938	11/21/80	Japan			Yes (English abstract only)
	B21	JP 63071923	4/1/88	Japan			Yes (English abstract only)
	B22	JP 63308032	12/15/88	Japan			Yes (English abstract only)
	B23	JP 63295667	12/2/88	Japan			Yes (English abstract only)
	B24	JP 62225517	10/3/87	Japan			Yes (English abstract only)

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	B25	JP 60221442	11/6/85	Japan			Yes (English abstract only)
	B26	WO 96/15479	5/23/96	WIPO			
	B27	WO 96/24929	8/18/96	WIPO			
	B28	WO 97/22576	6/26/97	WIPO			
	B29	WO 97/22659	6/26/97	WIPO			
	B30	WO 97/22660	6/26/97	WIPO			
	B31	WO 99/02611	1/21/99	WIPO			
	B32	WO 99/30381	6/17/99	WIPO			
	B33	WO 01/49925	7/12/01	WIPO			
	B34	WO 01/25326	4/12/01	WIPO			
	B35	SU 749081	12/15/83	Soviet Union			Yes (English abstract only)
	B36	SU 749084	12/15/83	Soviet Union			Yes (English abstract only)
	B37	SU 854949	8/15/81	Soviet Union			Yes (English abstract only)
	B38	SU 448199	10/28/75	Soviet Union			Yes (English abstract only)
	B39	SU 446522	7/16/75	Soviet Union			Yes (English abstract only)

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	B40	SU 427962	6/6/75	Soviet Union			Yes (English abstract only)
	B41	SU 406849	8/1/74	Soviet Union			Yes (English abstract only)
	B42	BE 844200					
	B43	BE 876238	11/14/79	Belgium			Yes (English abstract only)
	B44	DE 2456823					
	B45	DE 4016535	09/28/93	Germany			Yes (English abstract only)
	B46	ZA 9804155	5/18/98	South Africa			

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### Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Product Information: "Fatty Amine Ethoxylates," Huntsman Corporation, Salt Lake City, UT, (April 9, 2001), 2 pages.
	C2	Product Information: "JEFFAMINE® Polyoxyalkylene Amines," Huntsman Corporation, Salt Lake City, UT, (April 9, 2001), 2 pages.
	C3	Book Excerpt: <u>Amphoteric Surfactants</u> , edited by Eric G. Lomax, Marcel Dekker Inc., (1996), pp. 13-17.
	C4	Book Excerpt: <u>Organofluorine Chemicals and Their Industrial Applications</u> , edited by R. E. Banks, Ellis Horwood Ltd. (1979), pp. 53-57.
	C5	Article: Hendricks, "Industrial Fluorochemicals," <u>Ind. Eng. Chem.</u> , Vol. 45, No. 1, (January, 1953), pp. 99-105.
	C6	Article: Bernett et al., "Wetting of Low-Energy Solids by Aqueous Solutions of Highly Fluorinated Acids and Salts <sup>1</sup> ," <u>J. Phys. Chem.</u> , Vol. 63, (November, 1959), pp. 1911-1916.
	C7	Book Page: <u>Preparation, Properties, and Industrial Applications of Organofluorine Compounds</u> , edited by R. E. Banks, Ellis Horwood Ltd. (1982), P. 25
	C8	Article: Koshar et al., "Bis(perfluoroalkylsulfonyl)methanes and Related Disulfones," <u>J. Org. Chem.</u> , Vol. 38, No. 19, (1973), pp.3358-3363.
	C9	Article: Wente, "Superfine Thermoplastic Fibers," <u>Industrial and Engineering Chemistry</u> , Vol. 48, No. 8, (August, 1956), pp. 1342-1346.
	C10	Report: Wente et al., "Manufacture of Superfine Organic Fibers," Naval Research Laboratory Report 4364, (May 25, 1954), pp. 1-15.
	C11	Article: Davis, "The Separation of Airborne Dust and Particles", <u>The Institution of Mechanical Engineers</u> , pp. 185-198.
	C12	J. Am. Chem. Soc., "Fluorinated Surfactants and Repellents", Jimmie R. Baran, Jr., Second Edition, Vol. 123, No. 36, 2001.
	C13	ASTM D-257-99, Standard Test Methods for DC Resistance or Conductance of Insulating Materials, pp. 106-115.

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